

**EXHIBIT A**

INTERNATIONAL COSMETIC INGREDIENT DICTIONARY  
AND HANDBOOK, p. 220 (10th ed. 2004).

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# **International Cosmetic Ingredient Dictionary and Handbook**

**Tenth Edition  
2004**

**Editors**  
Tara E. Gottschalck  
Gerald N. McEwen, Jr., Ph.D., J.D.

**Volume 1**

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## Butanediol/Adipic Acid Copolymer (Cont.)

**Chemical Class:** Synthetic Polymers  
**Function:** Skin-Conditioning Agent - Miscellaneous  
**Technical/Other Name:**  
Hexanedioic Acid, Polymer with 1,4-Butanediol  
**Trade Name:**  
Lexorez 300 (Inolex)

where n has an average value of 3.  
**Chemical Class:** Alkoxyated Alcohols  
**Function:** Solvent  
**Technical/Other Names:**  
PEG-3 Butyl Ether  
Polyethylene Glycol (3) Butyl Ether  
Polyoxyethylene (3) Butyl Ether  
**Trade Name Mixture:**  
Cibafast H LIQ. (Ciba Specialty Chemicals)

$C_4H_9OCH_2CH_2OCH_2CH_2OH$   
**Information Sources:** 21CFR175.105, 21CFR176.180, CTFA D, MI-13(1556), RIFM, TSCA  
**Chemical Classes:** Alcohols; Ethers  
**Functions:** Fragrance Ingredient; Solvent; Viscosity Decreasing Agent  
**Technical/Other Names:**  
2-(2-Butoxyethoxy)Ethanol  
Butyl Carbitol  
Butyl Diglycol  
Butyl Dioxitol  
Diethylene glycol monobutyl ether (RIFM)  
Diethylene Glycol Monobutyl Ether  
Ethanol, 2-(2-Butoxyethoxy)-  
Monobutyl Diethylene Glycol Ether

**Trade Names:**  
Butyl CARBITOL Solvent (Dow Chemical)  
Butyl Dioxitol (Shell)  
DOWANOL DB (Dow Chemical)  
Eastman DB Solvent (Eastman Chemical)  
Hisolve DB (Toho)

## BUTEA FRONDOSA FLOWER

**Definition:** Butea Frondosa Flower are the flowers obtained from *Butea frondosa*. See "Regulatory and Ingredient Use Information," regarding the labeling names for botanical ingredients in Volume 1, Introduction, Part A. See Reported Ingredient Functions-The Cosmetic Drug Distinction, in Regulatory and Ingredient Use Information, Volume I, Part A.

**Chemical Class:** Biological Products  
**Function:** Skin Protectant  
**Trade Name:**  
Palas (Heritage Bio-Natural)

## BUTEA SUPERBA ROOT EXTRACT

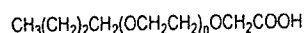
**Definition:** Butea Superba Root Extract is an extract of the roots of *Butea superba*. See "Regulatory and Ingredient Use Information," regarding the labeling names for botanical ingredients in Volume 1, Introduction, Part A.

**Chemical Class:** Biological Products  
**Function:** Oral Care Agent  
**Technical/Other Name:**  
Extract of Butea Superba

**Trade Name:**  
Butea Superba Tuber Powder (Tropical Herbal)  
**Trade Name Mixtures:**  
Butea Superba Extract (Tropical Herbal)  
Wichai I and II Butea Superba (American Phyto)

**BUTETH-3 CARBOXYLIC ACID**  
**CAS Nos.:** 75427-76-8; 107600-34-0

**Empirical Formula:**  
 $C_{10}H_{20}O_5$   
**Definition:** Buteth-3 Carboxylic Acid is the organic acid that conforms generally to the formula:



where n has an average value of 2.  
**Chemical Class:** Carboxylic Acids  
**Function:** Not Reported

**Technical/Other Names:**  
Acetic Acid, [2-[2-Butoxyethoxy]Ethoxy]-[2-[2-Butoxyethoxy]Ethoxy]Acetic Acid  
PEG-2 Butyl Ether Carboxylic Acid  
Polyethylene Glycol 100 Butyl Ether Carboxylic Acid  
Carboxylic Acid  
Polyoxyethylene (2) Butyl Ether Carboxylic Acid

**Trade Name Mixture:**  
Akypo LF 6 (Kao GmbH)

## BUTOXY CHITOSAN

**Definition:** Butoxy Chitosan is the derivative of Chitosan (q.v.) and acetoacetic acid obtained by reductive amination.

**Chemical Classes:** Biological Polymers and their Derivatives; Carbohydrates

**Functions:** Film Former; Hair Conditioning Agent; Viscosity Increasing Agent - Aqueous

## BUTOXYDIGLYCOL

**CAS No.** 112-34-5  
**EINECS No.** 203-961-6

**Empirical Formula:**  
 $C_8H_{18}O_3$

**Definition:** Butoxydiglycol is the ether alcohol that conforms to the formula:

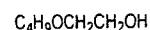
## BUTOXYETHANOL

**CAS No.** 111-76-2  
**EINECS No.** 203-905-0

**JPN Translation:**  
ブトキシエタノール

**Empirical Formula:**  
 $C_6H_{14}O_2$

**Definition:** Butoxyethanol is the ether alcohol that conforms to the formula:



**Information Sources:** 21CFR173.315, 21CFR175.105, 21CFR176.210, 21CFR177.1650, 21CFR178.1010, 21CFR178.3297, 21CFR178.3570, CIR: [SQ] JACT-15(6)1996, CTFA D, JCLS, JSCI, MI-13(1558), RIFM

**Chemical Classes:** Alcohols; Ethers

**Functions:** Fragrance Ingredient; Solvent; Viscosity Decreasing Agent

**Reported Product Categories:** Hair Dyes and Colors (All Types Requiring Caution Statements and Patch Tests); Hair Shampoos (Coloring); Hair Tints; Tonics, Dressings, and Other Hair Grooming Aids

**Technical/Other Names:**  
2-Butoxyethanol  
Butyl Glycol  
Ethanol, 2-Butoxy-  
Ethylene glycol monobutyl ether (RIFM)  
Ethylene Glycol Monobutyl Ether  
Glycol Monobutyl Ether  
Monobutyl Ethylene Glycol Ether

The inclusion of any compound in the *Dictionary and Handbook* does not indicate that use of that substance as a cosmetic ingredient complies with the laws and regulations governing such use in the United States or any other country.